

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Inventors: Naoyasu MIYAGAWA, et al.

Prior Art Unit: 2753

Application No.: Continuation Application  
of Serial No. 08/396,981,  
filed March 1, 1995

Prior Examiner: N. Hindi

Filed: November 22, 1999

For: OPTICAL RECORDING/REPRODUCING APPARATUS FOR  
OPTICAL DISKS WITH VARIOUS DISK SUBSTRATE THICKNESSES

PRELIMINARY AMENDMENT

Assistant Commissioner of Patents  
Washington, DC 20231

Sir:

Prior to initial examination on the merits, please amend the above-captioned application  
as follows:

IN THE CLAIMS

Please cancel claims 1-24, without prejudice or disclaimer.

Please add the following new claims:

-- 86. An optical recording/reproducing apparatus for recording, reproducing or erasing  
an information signal onto/from any one of N types (where  $N \geq 2$ ) of optical discs having  
transparent substrates of different thicknesses, each type of said optical discs having at least said  
transparent substrate and an information layer, by converging a light flux onto said information  
layer through said transparent substrate, said apparatus comprising:

(a) an optical head including (i) light emitting means for emitting said light flux, (ii)  
optical means for converging said light flux onto said information layer, and (iii) at least one  
photo detecting means for detecting reflected light from the optical disc; and



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